

REFERENCE

- [1]. W-d, Wirth. Radar Techniques Using Array Antennas. IEE, 2001
- [2]. Skolnik, Merrill, Radar Handbook, 2nd. Boston. , Mc Graw-Hill, 1990. Pages: 14.1 – 14.5
- [3]. Byung-Jun Ahn, S.K Kim and J.G Yook, “Isolation-Improved Branch-line Coupler Based On Feed - forward Technique” , Dept of Electrical and Electronic Eng. Yonsei Univ. Korea , IEEE 2005
- [4]. J.S.Hong, M.J. Lancaster, “Microstrip Filters for RF/ Microwave Application”, A Wiley- Interscience Publication page 438.
- [5]. Pozar, David, *Microwave Engineering*, 3rd ed. Hoboken, New Jersey: Wiley, 2005.
- [6]. Koubesisi M, C. Decroze, et al, “ Switch beam antenna based on novel design of Buttler Matrix with broadside beam”, *Electronic Letters* 29 th , Vol. 41 No. 20 , pp 1097-1098, September, 2005
- [7]. S. Banda and H. Ogawa, “ Multilayer MMIC directional couple using thin dielectric layers,” *IEEE Trans. Microwave Theory and Tech*, vol.43, pp 1270-1275, June 1995
- [8]. Carchon, G, De Raedt, W. And Nauwelaers, B, “ Integration of CPW Quadrature Couplers in Multilayer thin-film MCM-D”, *IEEE Trans. Microwave Theory and Tech*, vol.49, pp 1770-1776, Oct 2001
- [9]. Wilems, D. A, “ A boadband MMIC-S quadrature coupler using a braided microstrip structure”, *IEEE MTT-S International, Microwave Symposium Digest*, vol. 2, pp 899-902, May 1994
- [10]. Uchida , H, M. Tsukara, Y. Miyazaki and Itoh. Y, “ A Compact T/r Switching circuit using quadrature couplers and drain driven HP As ”, *IEEE MTT-S International, Microwave Symposium Digest*, vol. 2, pp 1349-1352, May 2001
- [11]. Lukas W. Mayer, Arpad L. Scholtz, “ Circularly Polarized Patch Antenna

- With High Tx-Rx separation ”, Vienna Univ of Technology, IEEE. 2009
- [12]. Riyanti Indah, “ Perancangan Microstrip Branch - line Coupler dengan T-Junction untuk Mobile Wimax pada Frekuensi 2,3 GHz.”, Skripsi S1 Universitas Indonesia, 2009.
- [13]. M. Moradian, “ Improving isolation of slot-coupled directional couplers,” *Electronic Letters* 11th, vol.51 No.12, pp 914-915, June 2015
- [14]. H. S. Lee , H. M. Lee “Isolation improvement between Loop Antennas with Absorber Cells” Department of Electronic Engineering Kyonggi University Suwon, Korea
- [15]. S. Bhende, S.Shah, S. Mukri, M.Vaidya, “ Isolation Improvement between Closely Spaced Microstrip Loop Antennas using Metamaterial Structure “Undergraduate Student, Electronics and Telecommunication Engineering Department, Mumbai, India. *International Journal of Computer Applications (0975 – 8887)* Volume 123 No.15, August 2015
- [16]. Samuel Y. Liao, “ Microwave Devices and Circuits,” 3rd edition, Prentice-Hall, New Jersey
- [17]. Laverghetta, T. S., *Practical Microwave*, Prentice-Hall, New Jersey, 1996.
- [18]. Brad W. Z, David Weldon, *Detection of Pulsed Radar in a Time Division Duplexed System*, Hamilton Institute National University of Ireland Maynooth ieee, 2011
- [19]. Asep Sudrajat, “ Pengaturan Impedansi input pada antena UWB untuk aplikasi SFCW – GPR ”, Tugas Akhir Sekolah Tinggi Elektro Institut Teknologi Bandung , 2008
- [20]. E. Sulaeman, A. Ramadhan, R.H. Asri Dewi, “ Perancangan dan Implementasi Duplexer Mikrostrip untuk Frekuensi LTE pada band ke-7” , *Jurnal Teknik elektro , Itenas* Vol.1 No,2 Juli-Desember 2013.
- [21]. Yuli K.N ,” Pengkopel Hibrid 3dB Mikrostrip non linier pita lebar dan aplikasinya pada Butler Matriks untuk antena dengan banyak arah berkas pada X-Band ,Universitas Indonesia, FT , Program Studi Teknik Elektro
- [22]. Donya Jasteh, “Isolation Enhancement in a Dual Port Antenna “, Thesis Of School of Electronic, Electrical and Computer Engineering University of

Birmingham October 2011

- [23]. M. Moradian and M. Khalaj-Amirhosseini, "Improvement the Characteristic Of the Microstrip Parallel Couple line Coupler by means of Grooved Substrate", Dept of Electrical Engineering Iran University of Science and Technology Narmak, M, Vol. 3, 205–215, 2008
- [24]. Sheleg, B. and B. E. Spielman, "Broadband directional couplers using microstrip with dielectric overlays," IEEE. Trans. Microwave Theory Tech., Vol. MTT-22, 1216–1220, 1974.
- [25]. Wardana, Indra Kusuma. "Rancang Bangun Antena Mikrostrip Susun Linier 8 Elemen Dengan Pembentukan Berkas Pola Sectoral 60° Untuk Aplikasi Wimax. Skripsi S1 , Universitas Indonesia, 2009.
- [26]. A. Z. Yonis, M. F. L. Abdullah, and M. F. Ghanim, "LTE – FDD and LTE-TDD for Cellular Communications", Progress In Electromagnetics Research Symposium Proceedings, KL, MALAYSIA, March 2730, 2012 1467
- [27]. Debora K. Fitri, Uke Kurniawan, and Leanna V. Yovita, " Analisis Perbandingan FDD dan TDD terhadap luas daerah cakupan layanan suara pada LTE, Teknik Telekomunikasi, Fakultas Teknik Elektro, Universitas Telkom Th 2011
- [28]. Folin Oktaviani, Yussi P.S, "Antena patch array untuk Portable Coastal Radar pada frekuensi S-Band", PPET Lembaga Ilmu Pengetahuan Indonesia, Juni 2013
- [29]. M.Ghorbanadeh, E.Visolsky, C.Clancy, P.Moorut, W. Yang, " Radar in Band interference Effects on Macrocell LTE Uplink Deployments in The U.S 3,5 GHz Band', Computing Networking and Communication (ICNC) page(s) 248-254, IEEE Feb 2015
- [30]. CS D.Rawat, A.D Sarate, "High Resolution Power Radar Pulse Compression Techniques", International Journal of Advance Research in Electrical, Electronics and Instrumentation Engineering Vol. 3, April 2014.

